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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/048,039	01/24/2002	Hitoshi Masumura	JP 000010	2755
75	590 09/16/2003			
Philips Electronics North America Corporation Corporate Patent Counsel 580 White Plains Road			EXAMINER	
			GROUP, KARL E	
Tarrytown, NY	10591		ART UNIT	PAPER NUMBER
			1755	
•			DATE MAILED: 09/16/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

D.	Application No.	Applicant(s)
	10/048,039	MASUMURA ET AL.
Office Action Summary	Examin r	Art Unit
	Karl E Group	1755
Th MAILING DATE of this communication app Period for Reply	·	orrespond nc address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be timed within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE!	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
1) Responsive to communication(s) filed on	<u> </u>	
2a)☐ This action is FINAL . 2b)⊠ Thi	is action is non-final.	
 Since this application is in condition for allowards closed in accordance with the practice under bull bull bull bull bull bull bull bul	ance except for formal matters, pr Ex parte Quayle, 1935 C.D. 11, 4	rosecution as to the merits is 153 O.G. 213.
4) Claim(s) <u>1-5</u> is/are pending in the application.		
4a) Of the above claim(s) is/are withdraw	vn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-5</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or Application Papers	r election requirement.	e ^r
9)☐ The specification is objected to by the Examiner	r.	
10)☐ The drawing(s) filed on is/are: a)☐ accep		miner.
Applicant may not request that any objection to the		
11) The proposed drawing correction filed on	is: a)☐ approved b)☐ disappro	
If approved, corrected drawings are required in rep	bly to this Office action.	•
12) The oath or declaration is objected to by the Exa	aminer.	
Priority under 35 U.S.C. §§ 119 and 120		
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).
a)⊠ All b)□ Some * c)□ None of:	,	
1. Certified copies of the priority documents	s have been received.	
2. Certified copies of the priority documents		on No.
 Copies of the certified copies of the priori application from the International Bur 	ity documents have been receive reau (PCT Rule 17.2(a)).	ed in this National Stage
* See the attached detailed Office action for a list of	· ·	
14) Acknowledgment is made of a claim for domestic		•
 a) The translation of the foreign language provides 15) Acknowledgment is made of a claim for domestic 	visional application has been recontributed by the priority under 35 U.S.C. §§ 120	eived. and/or 121.
Attachment(s)	_	
I) ☑ Notice of References Cited (PTO-892) ☑ Notice of Draftsperson's Patent Drawing Review (PTO-948) ☑ Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal P	(PTO-413) Paper No(s) Patent Application (PTO-152)
: Patent and Trademark Office FOL-326 (Rev. 04-01) Office Act	tion Summary	Part of Paper No. 4

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DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: The specification makes reference to tables however no tables are included in the disclosure.

Appropriate correction is required.

2. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required:

Support for claim 3 cannot be found.

Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 4 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The terminology "the grain sizes" lacks antecedent basis.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kawata (6,184,165) or Sugimoto et al (6,458,734) further in view of one of Fukuda et al (5,827,792) or EP 0473347.

Kawata teaches a dielectric porcelain including a (BaNdSM)TiO₃ main component and a secondary component including SiO₂, MgO, B₂O₃, Al₂O₃, ZnO, BO and CuO, (see column 2, lines 45-58 and examples of Table 2). Sugimoto et al teach a dielectric composition including (BaNdSM)TiO₃ main component and a secondary component including SiO₂, MgO, B₂O₃, Al₂O₃, ZnO, BaO and CuO (see column 2, lines 10-54).

The primary references fail to teach the presence of Bi₂O₃.

Fukuda et al teach a dielectric composition comprising (BaNdSM)TiO $_3$ which further includes Bi $_2$ O $_3$ to lower the high temperature coefficient of resonance frequency and lower the sintering temperature (see column 4, lines 1-3 and Table 6.

The EP reference teaches Bi₂O₃ lowers the temperature coefficient and raises the dielectric constant, page 3, lines 41-46.

It would have been obvious to one of ordinary skill in the art to further include Bi_2O_3 in the compositions of Kawata and Sugimoto et al. et al because of the

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taught improvement in temperature coefficient and dielectric constant as taught by the secondary references.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl E Group whose telephone number is 703-308-3821. The examiner can normally be reached on M-F (6:30-4:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Bell can be reached on 703-308-3823. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Karl E Group Primary Examiner Art Unit 1755

Keg 9-10-03